

Weekly Report

Yuxin Ma

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Intro

It seems that the courses has started to take more than two days' extra time each week. The research on active learning applications are still going on.

Readings & Research

Besides the paper presented on VAG seminar, I read [1] from Chen Chang's recommendation, which is related to the visualization of statistical models. Also I read [2] and found that data summarization might be an application scenario for the next project. For the perspective of data, I tried to mainly focus on Tencent Weibo dataset and keep on finding some more related data.

Practice & Skills

Implementation of CD algorithm (cont.) In this week I successfully configured GraphLabAPI under Linux and began to view some example programs.

Miscellaneous

Readings of Data Mining Lectures I found "Synthesis Lectures Series" on many research field publised by Morgan & Claypool including many topics on visualization and data mining. I scanned the chapter [3] for finding some topics which can be also applied on visualization.

Plan for Next Week

- Continue on active learning projects.

References

References

- [1] A. Endert, C. Han, D. Maiti, L. House, S. Leman, and C. North, "Observation-level interaction with statistical models for visual analytics," in *Visual Analytics Science and Technology (VAST), 2011 IEEE Conference on*, pp. 121–130, 2011.

- [2] P. C. Wong, H.-W. Shen, C. R. Johnson, C. Chen, and R. B. Ross, “The Top 10 Challenges in Extreme-Scale Visual Analytics,” *Computer Graphics and Applications, IEEE*, vol. 32, pp. 63–67, June 2012.
- [3] Y. Sun and J. Han, “Mining Heterogeneous Information Networks: Principles and Methodologies,” *Synthesis Lectures on Data Mining and Knowledge Discovery*, 2012.